



BULLETIN

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Military Applications Summary Bulletin report on technology developments in Europe and the Middle East. The material contained in the Bulletins should in no way be construed as an endorsement of any product or service described therein.

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New Krupp Atlas Marine Simulators

Background. The huge Krupp Atlas Elektronik company of Bremen, West Germany, has been building advanced simulation equipment for military applications since the early 1970's. Among the systems built are trainers for the U-18 Class submarine, the AGUS antisubmarine warfare trainer, the SUS weapon firing simulator, the RASI radar simulator, and the SIHS helicopter dunking sonar simulator. Krupp Atlas has also delivered a state-of-the-art ship handling simulator to the Royal Australian Navy and, recently, installed a similar system for the German Navy in Flensburg, West Germany.

Description. These new ship handling simulators have exceptional realism in color on a 250° panoramic screen, and a life-size replica of a ship's bridge incorporates a full range of navigational aids and accessories. The German Navy's version of the system also includes an instructor's console, a model data input station, briefing/debriefing/processing rooms, and a series of trainee cubicles. The simulator itself is mounted on an electro-hydraulically controlled motion base which provides computer-controlled pitch and roll movements of between 0° and 12°

Though designed primarily for training of individual watchstanding skills, the system is adaptable enough to be used for fleet train-

ing purposes, with up to seven ship's teams sailing independently of each other in a given exercise area. Depending on the complexity of the system installed (and there is considerable flexibility in the production of these systems), individual teams may complete training on the bridge or in information centers. Assessment of performance is accomplished through use of a large tactical display screen in a nearby auditorium.

According to the source for this article, cost savings resulting from use of these systems can be considerable, with amortization of the entire system reached in as little as 1 1/2 to 2 years.

For further information contact the Marketing Director, Krupp Atlas Elektronik, Bremen, West Germany.

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Surface Ship

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